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PATENT ABSTRACTS OF JAPAN

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H01M 10/40

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HO1M 4/04 HO1M 4/68

1)Application number: 08-221880

(71) Applicant: DAINIPPON PRINTING CO LTD

2) Date of filing:

06.08.1996

(72)Inventor: MIYAZAKI YUICHI

MIYANOWAKI SHIN

SATO KOJI

SHINDO TADAFUMI

UMEDA KAZUO

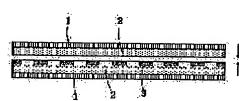
4) ELECTRODE PLATE FOR NONAQUEOUS ELECTROLYTE SECONDARY BATTERY AND ANUFACTURE THEREOF

7) Abstract:

PROBLEM TO BE SOLVED: To provide an electrode plate with eparator, capable of preventing the coming off of an active material, harply reacting with the overheating of a battery to prevent fire or xplosion of the battery by previously sticking a separator to an electrode plate different from the conventional method in which a separator film is nterposed between positive and negative plates.

3OLUTION: An electrode plate is prepared in such a way that an lectrode- coating solution, comprising an active material and a binder is applied to a current collector 1, dried to obtain an electrode plate (2: an active material layer), and a porous separator 3 is formed on the lectrode plate in a coating process, laminating process, or transferring process. As the separator material, thermoplastic resin and wax are isted, but wax is preferable, because the wax sharply react with heat to elt. The melting point of these materials is about 40-160°C. The

eparator is manufactured from a material melting by heat in a film-forming process or a pore-forming process.



GAL STATUS

.Date of request for examination]

Date of sending the examiner's decision of rejection]

Kind of final disposal of application other than the xaminer's decision of rejection or application onverted registration]

Date of final disposal for application]

Patent number]

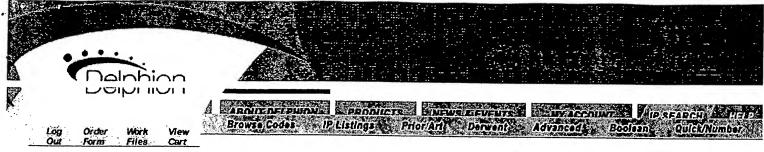
Date of registration]

Number of appeal against examiner's decision of ejection]

Date of requesting appeal against examiner's ecision of rejection]

Date of extinction of right]

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JP10050348A2: ELECTRODE PLATE FOR NONAQUEOUS ELECTROLYTE SECONDARY BATTERY AND MANUFACTURE THEREOF

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Kind:

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Inventor(s):

MIYAZAKI YUICHI MIYANOWAKI SHIN SATO KOJI

SHINDO TADAFUMI UMEDA KAZUO

Applicant/Assignee:
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Issued/Filed Dates:

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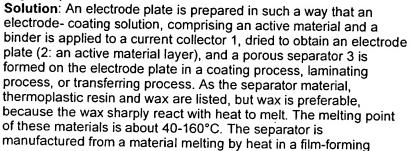
Priority Number(s):

usiness Intelligence Reports

Aug. 6, 1996 JP19961996221880

Abstract:

Problem to be solved: To provide an electrode plate with separator, capable of preventing the coming off of an active material, sharply reacting with the overheating of a battery to prevent fire or explosion of the battery by previously sticking a separator to an electrode plate different from the conventional method in which a separator film is interposed between positive and negative plates.



process or a pore-forming process.

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